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ABSTRACT

A bridge platform and method of erecting the same wherein a plurality of cables extend longitudinally of the bridge in spaced relation below the deck or roadway and steel support structure of the bridge, which cables are supported at opposite ends by the spaced-apart vertical piers of the bridge, and wherein a plurality of platform flooring panels or sections are supported on the cables, extend laterally of the bridge, are arranged side-by-side along the length of the bridge between the piers and are removably secured to the cables. The cables are attached to the bridge piers by compression clamp structures.

The platform flooring sections comprise elongated rectangular corrugated decking panels and are arranged in end-to-end overlapping relation transversely of the bridge, side-to-side overlapping relation longitudinally along the bridge and with the corrugations extending transversely of the cables. The corrugations maximize the strength-to-weight ratio of the platform flooring and provide recesses or receptacles to contain debris and facilitate its collection and removal. Each of the platform flooring sections is releasably connected at spaced locations to the supporting cables on which it rests. This is provided by connector assemblies each comprising a first part which engages the upper surface of the flooring section and the cable and a second part which engages the upper surface of the flooring section, the two parts being removably connected together through a small opening in the flooring. As a result, individual flooring sections can be removed to provide access through the flooring in emergency or critical situations while at the same time allowing the remainder of the flooring to retain collected debris.